



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,757	10/01/2003	Paul G. Szymaszek	2802-205-004	7881
7590	03/24/2005		EXAMINER	
Joseph J. Pophal PARKER-HANNIFIN CORPORATION 6035 Parkland Boulevard Cleveland, OH 44124-4141			BASTIANELLI, JOHN	
			ART UNIT	PAPER NUMBER
			3751	

DATE MAILED: 03/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/676,757	SZYMASZEK ET AL.
	Examiner	Art Unit
	John Bastianelli	3751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 01 October 2003.

2a) This action is **FINAL**.                                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-41 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-41 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 01 October 2003 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 10/1/03.

4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.

5) Notice of Informal Patent Application (PTO-152)

6) Other: \_\_\_\_\_.

**DETAILED ACTION**

***Specification***

1. The abstract of the disclosure is objected to because the term “comprised” is considered a legal term and is not appropriate in the abstract. Correction is required. See MPEP § 608.01(b).

***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 12 and 26 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. A fixed disk is not disclosed in the drawings or specification.

***Claim Suggestions***

4. The examiner recommends removing the claim language in claim 1, “wherein the improvement comprises” as it is unclear as to what the applicant is claiming as prior art and what is new. For example, the applicant positively claims the piston but the examiner is unclear as to whether this would include the modulating plug since that is in “conjoining contact” with the piston according the language before “wherein the improvement comprises”.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-41, as understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Hauser US 3,591,126.

7. Hauser discloses a valve body 12 with an inlet 18 and an outlet port 19 having a partition wall with a valve seat 17 separating said valve body into a first flow passage and a second flow passage; a piston 45, having a throughbore including an orifice, reciprocably mounted in said valve body and movable between a first position and a second position; a modulating plug 43 in abutting contact with said piston, reciprocably mounted in said valve body and gradually movable between an open position, permitting fluid flow from said first flow passage to said second flow passage, and a closed position engaging said valve seat, blocking fluid flow from said first flow passage to said second flow passage; a valve cover 70 adjoining said valve body; and a throttling member 88, connected to said valve cover and extending into said throughbore and through said orifice, adapted to insure a gradual alteration of the cross-section of said piston orifice upon reciprocation of said piston between said first and second positions. The valve cover has a throughbore 73 that is a passage for receiving pilot fluid flow. The valve body has a connecting passage 92 leading to a gap between the valve body and valve cover. The gradual alteration of the piston orifice is proportional, changes, and is linear or non-linear. The throttling

Art Unit: 3751

member is seen as a tapered pin and may be read on as a disk. The method is seen as practiced by the apparatus.

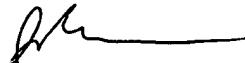
***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Perez Corbalan (Figs. 5-8), Rexer, Eby, Katzman, Gray, Feild and Dawson disclose throttles in a piston having a valve.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Bastianelli whose telephone number is (571) 272-4921. The examiner can normally be reached on M-F (9:00-6:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on (571) 272-4835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
John Bastianelli  
Primary Examiner  
Art Unit 3751

  
JB

February 23, 2005